

Polynomial Operations Review
Adding & Subtracting

$(2x^2 - 3x + 5) + (5x - 7x^2 + 8)$	$(2x^3 - 4x + 8) - (5x^2 - 3x - 9)$
$(7x^2 - 5x - 3) - (2x^2 - 4x + 9)$	$(4x^4 + 5x^2 - 3x + 3) + (2x^3 - 4x^2)$

Multiplying Polynomials

$(x - 2)(x^2 - 3x + 5)$	$(x + 3)(2x^2 - 3x + 5)$
$(x - 3)(x + 1)(x + 4)$	$(x - 2)(x + 1)(2x + 3)$

Pascal's Triangle

$(x + 5)^3$	$(x - 4)^5$
$(2x + 3)^4$	$(3x - 5)^5$

Dividing Polynomials (Use Synthetic Division)

$(k^3 - k^2 - 2k + 8) \div (k + 2)$	$(3x^3 - 2x^2 + 5x - 4) \div (x - 1)$
$(4x^3 + 26x^2 + 30x) \div (x + 5)$	$(8b^3 - 8b^2 + 10) \div (b - 1)$

